

INTERNATIONAL SEARCH REPORT

Intern. Application No.

PCT/FR 03/01467

10/514417

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B25B13/06 B25B13/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25B G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 077 114 A (HIRSCH HOWARD D ;HIRSCH CHARLES K (US)) 21 February 2001 (2001-02-21) column 3, line 8 - line 13 column 4, line 4 - line 7 claims 8,12-15; figures	1-8,10, 12,14-16
A	US 3 808 918 A (CARR H) 7 May 1974 (1974-05-07) abstract; figures	1-8
A	US 5 957 012 A (MCCUNE JOHN E) 28 September 1999 (1999-09-28) cited in the application abstract; figures	1
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

13 October 2003

Date of mailing of the international search report

20/10/2003

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 819 606 A (ARNOLD ROBERT L) 13 October 1998 (1998-10-13) cited in the application abstract; figures	1
A	US 6 257 098 B1 (CIRONE PAUL F) 10 July 2001 (2001-07-10) abstract; figure 3	1

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Information on patent family members

International Application No

PCT/FR 03/01467

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1077114	A	21-02-2001	EP 1077114 A2	21-02-2001
US 3808918	A	07-05-1974	NONE	
US 5957012	A	28-09-1999	NONE	
US 5819606	A	13-10-1998	AU 8294898 A	10-02-1999
			EP 1058599 A1	13-12-2000
			WO 9903645 A1	28-01-1999
US 6257098	B1	10-07-2001	NONE	

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